

Attorney's Docket No. 42P17541

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Ovadia et al.

Application No.: 10/691,712

Filed: October 22, 2003

For: DYNAMIC ROUTE DISCOVERY FOR
OPTICAL SWITCHED NETWORKS

Examiner: Sedighian, Reza

Art Unit: 2613

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form. It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability.

FIRST CLASS CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 on December 21, 2006.
(Date of Deposit)

Yuko Tanaka

(Typed or printed name of person mailing correspondence)

Y. Tanaka

(Signature of person mailing correspondence)

12/27/2006 EAREGAY1 00000138 10691712

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Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

_____ 37 C.F.R. §1.97(b).

 X **37 C.F.R. §1.97(c).** If so, then enclosed with this Information Disclosure Statement is one of the following:

_____ A statement pursuant to 37 C.F.R. §1.97(e) or

 X **A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).**

_____ 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:

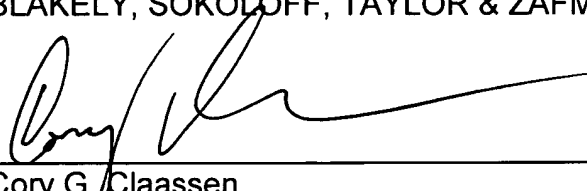
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

Dated: Dec. 21, 2006



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Patent
Application No.: 42P17541In re the Application of: Ovadia et al.

(inventor(s))

Application No.: 10/691,712Filed: October 22, 2003For: DYNAMIC ROUTE DISCOVERY FOR OPTICAL SWITCHED NETWORKS

(title)

Mail Stop Amendment
COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

SIR: Transmitted herewith is a **Response and Amendment** for the above-referenced application.

Applicant claims small entity status. See 37 CFR 1.27.

☒ No additional claim fee is required.☒ Information Disclosure Statement and applicable submission fee is included.

The fee has been calculated as shown below:

	(Col. 1)		(Col. 2)	(Col. 3)
	Claims Remaining After Amd.		Highest No. Previously Paid For	Present Extra
Total Claims	* 29	Minus	** 29	0
Indep. Claims	* 3	Minus	*** 3	0
<input type="checkbox"/>	First Presentation of Multiple Dependent Claim(s)			

* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

** If the "Highest No. Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

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SMALL ENTITY	
Rate	Additional Fee
X25	\$
X100	\$
+180	\$
Total Add. Fee	\$

OTHER THAN A SMALL ENTITY	
Rate	Additional Fee
X50	\$ 0
X200	\$ 0
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Yuko Tanaka

Name of Person Mailing Correspondence

Y. Tanaka
SignatureDec. 21, 2006
Date

_____ A check in the amount of \$ _____ is attached for presentation of additional claim(s).

_____ Applicant(s) hereby Petition(s) for an Extension of Time of _____ month(s) pursuant to 37 C.F.R. § 1.136(a).

X A check for \$ 180.00 is attached for Information Disclosure Statement submission fee under 37 C.F.R. § 1.17(p).

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X The Under Secretary of Commerce for Intellectual Property and Director of the United States Patent and Trademark Office is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 02-2666 (a duplicate copy of this sheet is enclosed):

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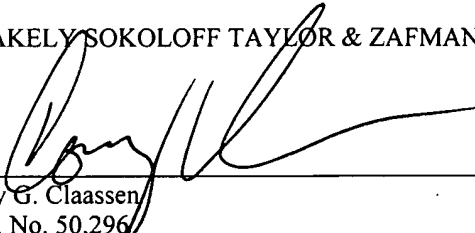
X Any extension or petition fees under 37 C.F.R. § 1.17.

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

Date:

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Cory G. Claassen
Reg. No. 50,296

Substitute for Form 1449/PTO

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

Complete if Known

Application Number	10/691,712
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First Named Inventor:	Ovadia et al.
Art Unit	2613
Examiner Name	Sedighlan, Reza
Attorney Docket Number	42P17541

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
	1	US-	5,235,592	08/10/1993	Cheng et al.	
	2	US-	5,331,642	07/19/1994	Valley et al.	
	3	US-	5,550,803	08/27/1996	Crayford et al.	
	4	US-	5,559,796	09/24/1996	Edem et al.	
	5	US-	5,646,943	07/8/1997	Elwalid	
	6	US-	5,768,274	06/16/1998	Murakami et al.	
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	22	US-	6,519,062 B1	02/11/2003	Yoo	
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	29	US-	6,842,424 B1	01/11/2005	Key et al.	
	30	US-	6,873,797 B2	03/29/2005	Chang et al.	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>					Complete if Known	
					Application Number	10/691,712
					Filing Date	October 22, 2003
					First Named Inventor:	Ovadia et al.
					Art Unit	2613
					Examiner Name	Sedighlan, Reza
Sheet	2	of	8	Attorney Docket Number	42P17541	
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
	31	US-	6,925,257 B1	08/02/2005	Yoo	
	32	US-	6,956,868 B2	10/18/2005	Qiao	
	33	US-	6,987,770 B1	01/17/2006	Yonge, III	
	34	US-	6,990,071 B2	01/24/2006	Adam et al.	
	35	US-	7,106,968 B2	09/12/2006	Lahav et al.	
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	54	US-	2003/0120799 A1	06/26/2003	Lahav et al.	
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	58	US-	2004/0062263 A1	04/01/2004	Charcranoon et al.	
	59	US-	2004/0208554 A1	10/21/2004	Wakai et al.	
	60	US-	2004/0131061 A1	07/08/2004	Matsuoka et al.	
Examiner Signature					Date Considered	

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				Art Unit	2613	
				Examiner Name	Sedighlan, Reza	
Sheet	3	of	8	Attorney Docket Number	42P17541	
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			Number-Kind Code ² (if known)			
	61	US-	2004/0156325 A1	08/12/2004	Perkins et al.	
	62	US-	2004/0156390 A1	08/12/2004	Prasad et al.	
	63	US-	2005/0068995 A1	03/31/2005	Lahav et al.	
	64	US-	2005/0152349 A1	07/14/2005	Takeuchi et al.	
	65	US-	2005/0259571 A1	11/24/2005	Battou	
	66	US-	2006/0008273 A1	01/12/2006	Xue et al.	
		US-				

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM/DD/YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)				
	67	EP	0876076	11/04/1998	NEC Corporation		
	68	EP	1073307	01/31/2001	Oki Electric Industry Co., Ltd.		
	69	EP	1089498	04/04/2001	ALCATEL		
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	71	EP	1135000	09/19/2001	Telefonaktiebolaget LM Ericsson		
	72	EP	1217862	06/26/2002	Alcatel USA Sourcing, L.P.		
	73	EP	1303111	04/16/2003	ALCATEL		
	74	WO	01/19006	03/15/2001	Nokia Networks OY		
	75	WO	01/67694	09/13/2001	Celox Networks, Inc.		
	76	WO	01/76160	10/11/2001	Networks Physics, Inc.		
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	78	WO	02/067505	08/29/2002	Brilliant Optical Networks		
	79	CN	1384618	12/11/2002	Univ. Tsinghua		
	80	CN	1426189	06/25/2003	Univ. Tsinghua		
	81	CN	1406000	03/26/2003	Univ. Shanghai Communication		

Examiner Signature	Date Considered
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
	82	O'MAHONY, MIKE J. et al., "The Application of Optical Packet Switching in Future Communication Networks", IEEE Communications Magazine, March 2001, pp. 128-135.			
	83	YAO, SHUN et al., "All-Optical Packet Switching for Metropolitan Area Networks: Opportunities and Challenges", IEEE Communications Magazine, March 2001, pp. 142-148.			
	84	QIAO, CHUNMING DR. et al., "Optical Burst Switching", Business Briefing: Global Photonics Applications and Technology, pp. 108-112.			
	85	QIAO, CHUNMING "Labeled Optical Burst Switching for IP-over-WDM Integration", IEEE Communications Magazine, September 2000, pp. 104-114.			
	86	CARENA, A. et al., "OPERA: An Optical Packet Experimental Routing Architecture with Label Swapping Capability", Journal of Lightwave Technology, Vol. 16, No. 12, December 1998, pp. 2135-2145.			
	87	ZHONG, WEN DE, "A New Wavelength-Routed Photonic Packet Buffer Combining Traveling Delay Lines with Delay-Line Loops", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 19, No. 8, August 2001, pp. 1085-1092.			
	88	WIESMANN, D. et al., "Apodized Surface-Corrugated Gratings with Varying Duty Cycles", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 12, No. 6, June 2000, PP. 639-640.			
	89	HILL, KENNETH O. et al., "Fiber Bragg Grating Technology Fundamentals and Overview", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1263-1276.			
	90	ERDOGAN, TURAN, "Fiber Grating Spectra", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1277-1294.			
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	92	GILES, C.R., "Lightwave Applications of Fiber Bragg Gratings", JOURNAL OF LIGHTWAVE TECHNOLOGY, Vol. 15, No. 8, August 1997, pp. 1391-1404.			

Examiner Signature		Date Considered	
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Sheet	5	of	8	Attorney Docket Number 42P17541	
NON PATENT LITERATURE DOCUMENTS					
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	93	WILLNER, A. E. et al., "Tunable Compensation of Channel Degrading Effects Using Nonlinearly Chirped Passive Fiber Bragg Gratings", IEEE Journal of Selected Topics in Quantum Electronics, Vol. 5, No. 5 September/October 1999, pp. 1298-1311.			
	94	STUDENKOV, P. V. et al., "Asymmetric Twin-Waveguide 1.55 μ m Wavelength Laser with a Distributed Bragg Reflector", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 12., No 5, May 2000, pp. 468-470.			
	95	SHIBATA, YASUO et al., "Coupling Coefficient Modulation of Waveguide Grating Using Sampled Grating", IEEE PHOTONICS TECHNOLOGY LETTERS, Vol. 6, No. 10, October 1994, pp. 1222-1224.			
	96	CHASKAR, H. et al., "Robust Transport of IP Traffic Over WDM Using Optical Burst Switching," Optical Networks Magazine, July/August 2002, pp. 47-60.			
	97	OH, SE-YOON et al., "A Data Burst Assembly Algorithm in Optical Burst Switching Networks," ETRI Journal, Vol. 24, No. 4, August 2002, pp. 311-322, Electronics and Telecommunications Research Institute, Tejon, Korea.			
	98	IETF Networking Group RFC Standards Track, "Generalized Multi-Protocol Label Switching (GMPLS) Signaling Functional Description," January 2003. Retrieved on July 8, 2004 from http://www.ietf.org/rfc/rfc3471.txt			
	99	LIU, HANG et al., "GMPLS-Based Control Plane for Optical Networks: Early Implementation Experience," Proceedings of the SPIE, Vol. 4872, July 29, 2002, pp. 220-229, SPIE, Bellingham, VA, US.			
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				First Named Inventor:	Ovadia et al.
				Art Unit	2613
				Examiner Name	Sedighlan, Reza
Sheet	6	of	8	Attorney Docket Number	42P17541
NON PATENT LITERATURE DOCUMENTS					
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	124	WANG, S.Y., "Using TCP Congestion Control to Improve the Performance of Optical Burst Switched Networks", IEEE International Conference on Communications, 2003, pages 1438-1442, Taiwan.			
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	126	GHANI, Nasir et al., "On IP-over-WDM Integration", IEEE Communications Magazine, March 2000, pp. 72-84.			
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	133	Office Action mailed on 11/29/2006. Ovadia et al., "ARCHITECTURE, METHOD AND SYSTEM OF MULTIPLE HIGH-SPEED SERVERS TO NETWORK IN WDM BASED PHOTONIC BURST-SWITCHED NETWORKS," U.S. Patent Application No. 10/417,823, filed 04/16/2003. (Atty Docket No. 42P15726)			

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